

IN THE CLAIMS:

All of the pending claims 11-21 are set forth below. The status of each claim is indicated with one of (currently amended), (cancelled), or (previously presented). Please AMEND claim 11 in accordance with the following:

- 1-10. (cancelled)
11. (currently amended) A superconductor device, comprising:
a stationary magnet with at least one superconductive winding not in direct contact with ~~without~~ any refrigerant;
a refrigeration unit with at least one cold head; and
a line system, having at least one pipeline that is closed at its end for refrigerant circulating based on a thermosiphon effect, providing thermal coupling of the at least one superconductive winding to the at least one cold head.
12. (previously presented) The device as claimed in claim 11, wherein said line system has two pipelines filled with different refrigerants having different condensation temperatures.
13. (previously presented) The device as claimed in claim 12, wherein the pipelines are thermally coupled to a common cold head.
14. (previously presented) The device as claimed in claim 12, wherein the pipelines are thermally coupled to separate cold heads.
15. (previously presented) The device as claimed in claim 11, wherein at least parts of the at least one pipeline have a gradient with respect to the horizontal of more than 0.5°
16. (previously presented) The device as claimed in claim 15, wherein the at least parts of the at least one pipeline have a gradient with respect to the horizontal of more than 1° .
17. (previously presented) The device as claimed in claim 11, wherein the cross section of the at least one pipeline carrying the refrigerant is less than 10 cm^2 .

18. (previously presented) The device as claimed in claim 11, wherein the superconductive winding contains high- T_c superconductor material.
19. (previously presented) The device as claimed in claim 18, wherein the superconductive material must be kept at a temperature below 77 K.
20. (previously presented) The device as claimed in claim 11, wherein a mixture of at least two refrigerant components with different condensation temperatures is provided as the refrigerant.
21. (previously presented) The device as claimed in claim 11, wherein the superconductive magnet is part of an MRI installation.